2 ABSTRACT

[1066] Method and apparatus for providing link quality feedback to a 4 transmitter In one embodiment, a periodic link quality message is transmitted on a gated channel, while continuous differential indicators are transmitted. Between quality messages, the differential indicators track the quality of the link. 6 The periodic quality messages provide synchronization to the transmitter and 8 receiver. A coding is applied to the feedback information identifying the transmitter. In one embodiment, a remote station includes a differential analyzer (212) to determine the change in successive channel quality 10 measurements. In an alternate embodiment, link quality feedback information is 12 gated according to channel condition.